

CIP & CAPITAL BUDGET SUMMARY

In April 2008, staff presented the Proposed 2009-2013 Capital Improvement Program (CIP) to City Council for their review and approval. As mentioned in the Budget Development section, the CIP serves as the City's planning guide for decision making and resource allocation on major durable infrastructure and equipment projects. These projects typically involve expenditures of more than \$50,000 with a "useful life" of more than three years.

The CIP provides projections on project expenditures and necessary revenues on an annual basis, starting with FY 2009 and ending at FY 2013. The amounts provided in FY 2009 represent the proposed Capital Budget for consideration as part of the next Annual Operating Budget. Modifications are made in order to comply with resource limitations and other necessary activities. As a result, reductions in appropriations were made to the following projects:

Category	Project	Original Proposed CIP Amount for FY 2009	FY 2009 Adopted Appropriation	Impact
Facilities	City Hall Maintenance	\$50,000	\$35,000	Reduce project scope
Facilities	Train Station Improvements	\$150,000	\$0	Await grant approval, likely defer to FY 2010
Community Reinvestment	Beal Street Redevelopment	\$1,000,000	\$800,000	Revised scope and cost estimate
Community Reinvestment	Home Street Redevelopment	\$30,000	\$0	Deferred to FY 2010
Community Reinvestment	Planters Oil Mill Redevelopment	\$100,000	\$75,000	Await grant approval for additional work
Community Reinvestment	Neighborhood Reinvestment Projects	\$175,000	\$100,000	Prioritize projects for FY 2010
Police	Police Department Renovations	\$290,000	\$0	Project funded by FY 2008 Budget Amendment
Police	Police Vehicle Replacement	\$468,000	\$438,000	Revised due to change in staff increase
Police	Reservoir Pier Replacement and Ramp Improvement	\$68,000	\$0	Await approval of funding agreement
Fire	Fire Equipment Replacement	\$525,000	\$460,000	Defer 1 vehicle to operating budget
Fire	Fire Station Eight	\$125,000	\$75,000	Schedule design work for this year and FY 2010
Parks & Recreation	Rocky Mount Sports Complex	\$150,000	\$75,000	No impact
Parks & Recreation	Park Improvements	\$50,000	\$0	Deferred to FY 2010
Parks & Recreation	Senior Center	\$475,000	\$425,000	Defer minor improvements to FY 2010
Public Works	Fleet Maintenance Facility Improvements	\$75,000	\$0	Deferred to FY 2010
Public Works	Annexation Displacement of Private Haulers	\$95,000	\$75,000	Revised due to reductions in agreements

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Category	Project	Original Proposed CIP Amount for FY 2009	FY 2009 Adopted Appropriation	Impact
Electric	Utility Department Computer Systems	\$100,000	\$90,000	No impact
Electric	Relocation of Utility Lines (DOT)	\$200,000	\$150,000	Reduced resources for unknown DOT requests
Electric	Distribution System Improvements	\$250,000	\$225,000	Reduced resources
Water	Battleboro System Improvements – Gainor Ave./Daniel Ln.	\$72,000	\$0	Deferred
Water	Water Tank Maintenance	\$190,000	\$135,000	Reduction in scope
Water	Edwards Street Water & Sewer Improvements	\$40,000	\$0	Deferred
Sewer	Minor Enhancements and Main Extensions	\$75,000	\$45,000	Reduction in scope
Sewer	Sewer Automated Meter Reading	\$100,000	\$80,000	Reduced resources
Sewer	Edwards Street Water & Sewer Improvements	\$60,000	\$0	Deferred

In addition, appropriations for some projects are made above the level proposed in the original CIP.

Category	Project	Original Proposed CIP Amount for FY 2009	FY 2009 Adopted Appropriation	Reason
Powell Bill	Railroad Crossing Safety Projects	\$3,800	\$13,900	Expanded scope
Powell Bill	Engineering Equipment Replacement	\$80,000	\$90,000	Increased costs
Sewer	Sewer Rehabilitation Program	\$150,000	\$175,000	Increased costs and scope

The CIP summary reports that follow represent the funding for these projects as amended to reflect to FY 2009 Adopted Budget. Several projects listed in the CIP are appropriated as multi-year project ordinances through funds that are not part of the annual operating budget process. As indicated below, the Adopted Budget includes funding for the general government obligation to some of these projects, appropriated as fund transfers.

Category	Project	Total Project Amount for FY 2009	FY 2009 Adopted Appropriation	Description
Downtown Development	Downtown Enhancement SAFETA Project	\$1,375,000	\$250,000	Transfer from Powell Bill Fund and General Capital Fund for construction

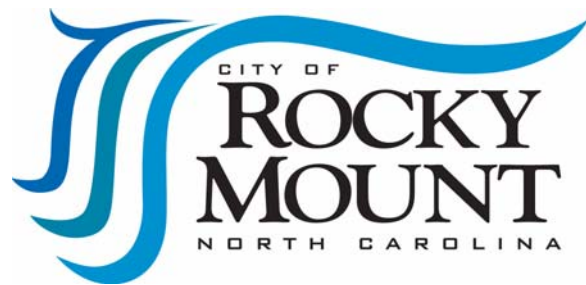
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Category	Project	Total Project Amount for FY 2009	FY 2009 Adopted Appropriation	Description
Douglas Block	Douglas Block Improvements	\$8,560,000	\$385,000	Transfers from General Fund and General Capital Fund for planning and Section 108 Loan repayment
Community Reinvestment	Beal Street Redevelopment	\$800,000	\$123,500	Transfer from General Fund for redevelopment activity
Public Transportation	Transit Bus Maintenance, Benches, and Shelters	\$301,000	\$60,000	Transfer from General Fund to match State and Federal funds
Parks & Recreation	Rocky Mount Sports Complex	\$75,000	\$75,000	Transfer from General Capital Fund to match State funds

Operating Impact of Capital Projects

When analyzing potential capital projects as part of the CIP process, departments must provide information on the revenues and expenditures that these projects will create on an ongoing basis that will impact our overall annual operating budget. These impacts can be one-time or recurring in nature, with recurring impacts requiring consideration of the long-term future of the operating budget, available revenue sources, and needs of other programs and services.

In the following list of projects, operating impacts are summarized on the basis of both the total of one-time impacts and average recurring impact per fiscal year. Examples of operating impacts include additional staff required to operate facilities, maintenance cost for new equipment, and payment of debt service on economic development initiatives. Many projects involve upgrades or expansions to existing utility or infrastructure systems that do not necessarily require additional manpower or resources to operate or maintain. As such, no operating impact is quantified.



2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Facilities						
Braswell Library Debt Payments						
<i>This project provides funds for the repayment of the construction loan for the library. The facility is jointly funded by the City of Rocky Mount and Nash and Edgecombe Counties. The debt payments continue until FY 2010. The City is reimbursed from Nash and Edgecombe Counties for their share of the debt payment. The City's share of the debt is 44%.</i>						
	672,000	649,000	1,276,000	2,642,100	-	-
City Hall HVAC (Chiller) Replacement						
<i>This project provides for the systematic replacement of the two chillers (180 ton) that service City Hall. During this replacement, we will be required to upgrade our HVAC equipment room to meet the Southern Building Code at an anticipated expense of \$20,000. Dependable and reliable HVAC/Cooling equipment is essential in order to provide a comfortable working climate for all city departments. While the current HVAC/cooling equipment has been under constant maintenance contract, it was manufactured over 25 years ago, and is nearing the end of its predicted useful life.</i>						
	-	-	290,000	290,000	-	-
City Hall Maintenance						
<i>This project provides annual funding for capital maintenance of City Hall.</i>						
	-	35,000	235,000	235,000	-	-
City Hall Reroofing						
<i>This project covers the cost of complete renovation of both the Administrative Complex and Police Department roof systems. These roofs are more than 27 years old and there are numerous leaks during heavy rains and patching does not suffice.</i>						
	-	275,000	275,000	275,000	-	-
Field Service Complex Improvements						
<i>Funding will expand parking areas for privately owned vehicles of City employees.</i>						
	42,000	-	100,000	157,000	-	-
Opportunities Industrial Center (OIC) Building Repairs						
<i>The daycare space at OIC is in need of repair. Some of the classroom floors have been damaged from repair work on burst steam lines. The Health Department has downgraded the daycare operation for these deficiencies. The bathrooms, which do not meet Americans with Disabilities Act (ADA) standards, also are in a state of serious disrepair and deterioration.</i>						
<i>A number of other problems also exist. The roof is leaking and has long passed its useful life. Stopgap repairs are being made to the Gym roof to protect the wood floor. The auditorium floor and stage has been damaged severely by termites and damage from steam pipes located below the floor. Plaster walls and ceilings are sloughing off in large patches due to age and the cumulative effects of many years of leaking around windows and through the roof.</i>						
	-	-	-	19,600	-	-
Parking Lots						
<i>This project involves the acquisition and resurfacing of the property known as the Western Avenue parking lot. The city has leased this lot for over 50 years. For the past 10 or more years, the lease has been month to month. The lot owners have been unwilling to lease long term or to sell. As a result, the lot has deteriorated and is in need of resurfacing. The lot is important as a place for visitors and customers of downtown shops to park.</i>						
	-	-	330,000	330,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Train Station Cooling Tower						
<i>This project has an immediate need to replace the main operating tank, valving, and piping of the cooling tower for the train station building. This equipment is corroding badly even with water treatment at a high level due to its location at the end of a water main and environmental conditions. The original tank was not stainless steel and that is the only material that will hold up under these circumstances. We are patching the tank regularly and hope it will last until the new year.</i>						
	92,000	-	-	92,000	-	-
Train Station Improvements						
<i>This project involves continued improvements on the Train Station property, including repainting, wall sealing, and repairs to roof and plaster. Funding will be a 50/50 split between the City and NCDOT.</i>						
	-	-	300,000	300,000	-	-
Total	\$806,000	\$959,000	\$2,806,000	\$4,340,700		

Downtown Development

Downtown Enhancement SAFETEA Project

As part of reauthorization of the Federal Transportation Bill (SAFETEA-LU), the City of Rocky Mount received an earmark of \$4,359,168 to fund improvements within downtown. The City's 20% match of the federal grant is \$1,088,525. CSX is to contribute an additional \$75,000, and an additional \$275,000 is available for projects related to TSS. Matching funds are provided by Powell Bill transfers and other General Fund revenue. This project is performed through a Memorandum Agreement between the City and NCDOT.

685,000	1,375,000	4,703,000	5,518,000	-	-
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Downtown Pedestrian Walkway

There are several projects to be funded by NCDOT in conjunction with the Traffic Separation Study (TSS). These are projects offered by NCDOT as incentives in conjunction with funding the TSS. A downtown pedestrian walkway is scheduled for FY 2009, as part of a Memorandum of Agreement with NCDOT.

-	500,000	500,000	500,000	-	-
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Total	\$685,000	\$1,875,000	\$5,203,000	\$6,018,000		
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Douglas Block

Douglas Block Redevelopment

These funds will be used to implement the redevelopment of the Douglas Block. FY 2005-06 includes a \$180,000 Environmental Protection Agency (EPA) Brownfield Assessment grant for the block and FY 2006-07 includes \$200,000 from EPA for a Brownfield Clean-up grant. The City has submitted a request for a \$1,800,000 Section 108 loan, which will begin in FY 2006-07. Repayment of the Section 108 loan is over 20 years. The estimated repayment of the loan will be 50% from CDBG grant funds and 50% from the general fund. Additional current revenues are provided to assist with the GAP funding of the redevelopment process.

1,065,000	8,560,000	9,280,000	10,532,000	-	269,000
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Total	\$1,065,000	\$8,560,000	\$9,280,000	\$10,532,000		
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Community Reinvestment

Beal Street Redevelopment

These funds will be used to implement the redevelopment of the Beal Street (Happy Hill neighborhood). The City intends to donate vacant property along Beal Street to the Housing Authority for the construction of new housing. This project compliments the Housing Authority's activities by purchasing property across the street and preparing it for redevelopment. This includes the demolition of existing housing that is not owner-occupied and in unsatisfactory condition.

86,000	606,000	4,306,000	4,392,000	-	-
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2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Booker T. Washington High School Redevelopment						
<i>The plan is to renovate the classroom portion of the school and give it to OIC. This will eliminate long term maintenance responsibility. The City is responsible for planning-related expenses, initial interest payments on construction loan, and payments on the Section 108 Loan and Permanent Loan</i>						
	50,000	550,000	8,250,000	8,300,000	-	798,000
Crossing at 64 Project						
<i>This project provides funds for a loan to Rocky Mount Edgecombe CDC for the purpose of assisting with development of the Crossing at 64 retail center. The City intends to apply for a Section 108 loan in order to provide a loan to RMECDC. The City can only provide funding for this project if the Section 108 loan is approved. The RMECDC will start repaying this loan in the immediate future over 10 years with interest.</i>						
	239,000	210,000	210,000	549,000	-	-
Edgemont & Villa Place Stabilization						
<i>This project involves the redevelopment through stabilization of the Edgemont and Villa Place neighborhoods. Redvelopment will consist of purchasing property for resale to preservationists.</i>						
	-	-	700,000	700,000	-	-
Home Street Redevelopment						
<i>This project involves redevelopment of the Home Street neighborhood through property acquisition, demolition, and street reconstruction.</i>						
	-	-	800,000	800,000	-	-
Housing Incentives						
<i>Funding is intended to induce investment in housing in inner-city neighborhoods by non-profit agencies such as RMECDC, ATOM, NEED, Habitat for Humanity, and RMHA.</i>						
	150,000	150,000	750,000	1,075,000	-	-
Neighborhood Reinvestment Projects						
<i>This projects covers multiple activities undertaken to improve economic opportunity and quality of life in established Rocky Mount neighborhoods.</i>						
	-	100,000	300,000	300,000	-	-
Planters Oil Mill Redevelopment						
<i>This project involves redevelopment of the former Planters Oil Mill site. Current plans include acquisition of adjacent property, demolition of additional structures, and redevelopment of property into a community park.</i>						
	75,000	75,000	375,000	450,000	-	-
Tip Top Bakery Redevelopment						
<i>This project involves initiating redevelopment of the former Tip Top Bakery facility through the execution of a feasibility study.</i>						
	-	30,000	30,000	30,000	-	-
Total	\$600,000	\$1,721,000	\$15,721,000	\$16,596,000		

Public Transportation

Bus Purchase Loan Repayment

This provides the funding needed to repay the loan from DOT for the local match required for the purchase of the seven Orion buses.

23,000	-	-	214,316	-	-
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Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Bus Storage Facility						
<i>This is a three sided open metal frame storage building with two enclosed bays for the storage of seven 30 foot buses and two shuttle cutaway type vehicles.</i>						
	-	-	375,000	375,000	-	-
Transit Benches and Shelters						
<i>Bus benches and shelters are placed at locations of high transit activity. These locations are normally the best locations for bus benches and shelters. Special consideration is being given to areas serving senior citizens or persons with disabilities. This plan provides for six shelters to be installed in FY 2006-07 and six in FY 2007-08.</i>						
	36,000	20,000	20,000	78,000	-	-
Transit Bus Major Maintenance Items						
<i>The Federal Transit Administration allows all preventative maintenance cost associated with the provision of public transit services to be allocated as capital costs. Preventive Maintenance includes routine vehicle maintenance, facility maintenance, and all parts and labor associated with this service. Ten (10%) percent of the annual federal apportionment may also be used to provide ADA comparable paratransit transportation services for persons with disabilities who cannot board a fixed-route transit bus. The budget figures below represent the projected cost of these services as capital expenditures.</i>						
	273,000	281,000	1,167,000	1,705,000	-	-
Transit Lift						
<i>This is a portable lift that would be used for the servicing of transit vehicles at the Fleet Maintenance facility.</i>						
	-	-	-	40,000	-	-
Transit Service Vehicle						
<i>A service vehicle for the transit system has been recommended. The service vehicle will be equipped with an air compressor and basic road call items. The addition of the service vehicle will allow maintenance personnel the opportunity to correct many minor road calls on scene; thereby, eliminating the need for a transit service interruption.</i>						
	-	-	72,000	72,000	-	-
Transit Shuttle Bus Procurement						
<i>Routine replacement of Transit Shuttle Route revenue service vehicles on a three year cycle.</i>						
	-	-	25,000	145,950	-	-
Transit Vehicle Acquisition						
<i>This project funds the annual replacement of Tar River Transit's rural transportation van fleet. The rural transportation fleet provides ADA comparable transportation, medicaid transportation, and a variety of other transportation services to over thirty agencies. Vehicles are replaced every 130K to 150K miles.</i>						
	210,000	210,000	1,050,000	1,470,000	-	-
Transit Vehicle Wash						
<i>Automated drive through vehicle wash equipment for transit buses.</i>						
	-	-	313,000	313,000	-	-
Transit-Resurfacing Coastline Street						
<i>Resurfacing of Coastline Street, which is the entrance/exit for the Transit facility.</i>						
	-	-	-	39,500	-	-
Total	\$542,000	\$511,000	\$3,022,000	\$4,452,766		

Public Safety - Police

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Police Department Renovations						
<i>This project will provide renovations of the station commander, lobby, and sergeant office areas on the first floor of the police building and minor alterations to the lobby area of the third floor. The renovations also include security system alterations and video monitoring upgrades to support the functionality and security of the facility.</i>						
	218,100	40,000	40,000	258,100	-	-
Police Vehicle Replacement						
<i>The Police Department has, for the past two years, been replacing vehicles more regularly than in preceding years. The constant aging and high mileage usage of the patrol fleet requires regular replacement. Falling behind a regular replacement schedule results in increased vehicle maintenance costs and negatively affects the reliability, safety, and professional image of the police fleet. The Police Department is dependent on reliable motor vehicle transportation to effectively maintain a consistent presence in neighborhoods and to respond to emergencies. This funding level will allow continued timely replacement.</i>						
	350,000	468,000	2,229,000	2,924,100	-	-
Reservoir Pier Replacement and Ramp Improvement						
<i>This project will take funds from the sale of land at the reservoir in the vicinity of Sapony Creek and divert a portion to replace the main boat ramp pier, build new bulk heads to stop bank erosion and cement the existing ramp drive.</i>						
	-	68,000	68,000	68,000	-	-
Total	\$568,100	\$576,000	\$2,337,000	\$3,250,200		

Public Safety - Fire

Fire Equipment Replacement

This project funds the replacement of a 1992 pumper truck in FY 2009 and the replacement of a 1994 aerial truck in FY 2010. The 1992 pumper and 1994 aerial will then be utilized as stand-by units. One of the current stand-by pumpers and the stand-by aerial are open cab style vehicles purchased in 1985 and 1978. The open cab design which places firefighters riding outside of the cab and provides minimal roll-over protection in crash situations (open cab design does not comply with NFPA standards). Vehicle accidents represent the second leading cause of firefighter deaths in the United States. The stand-by fire apparatus fleet is utilized frequently and needs to be improved to enhance safety. Annexation in 2008 will require three additional District Chief positions. Funds are included in FY 2009 to purchase a vehicle, command equipment, and communications equipment for the second District Chief. In FY 2011 funding is needed to replace the 1992 Squad Truck which will be 19 years old. This project also requests funds to add an additional pumper in FY 2012 due to annexation and the addition of Fire Station 8. In FY 2013, the replacement of a 1998 pumper truck as a front-line unit. This 1998 pumper truck will replace an 1989 pumper truck in the stand-by fleet.

440,000	525,000	2,765,000	3,205,000	-	19,000
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Fire Station 6 Repairs and Construction

Major renovation and mold remediation work is completed. A number of unforeseen costs were incurred as the project has progressed. In particular, the exterior insulation finish system (stucco) required extensive removal and replacement beyond the scope of original projections. No additional funding is needed.

-	-	-	200,000	-	-
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Fire Station Eight

A response time study conducted in 2004 as well as historical response time data reveals the need for an additional fire facility to serve the western side of the City. That need is based upon the current city limits. Moreover, the annexation of additional areas west of the City compounds the need for fire facilities to provide emergency response for fire, rescue, and EMS services. Funds are included to design the fire station in FY 2009 and begin construction in FY 2011.

-	75,000	1,525,000	1,525,000	545,000	650,000
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2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Headquarters Fire Station Improvements						
<i>Funds provided in FY 2010 to replace the roofing membrane, architectural design and renovation to the current office areas at Headquarters Fire Station. Changes made would be in accord with relocating the Fire Support Services offices to the Life Safety Emergency Management (LSEM) building on Church Street.</i>						
	-	250,000	250,000	250,000	-	-
Support Services Offices						
<i>This project would fund the relocation of the offices of the Support Services Division to the Life Safety Emergency Management (LSEM) Complex at the corner of South Church Street and Hammond Street. The project would complete the renovation of the rear portion of the Fire Museum Building.</i>						
	-	200,000	200,000	200,000	-	5,000
Total	\$440,000	\$1,050,000	\$4,740,000	\$5,380,000		
Parks & Recreation						
Battleboro Park Development						
<i>Construction of Three Sisters Park in Battleboro neighborhood. FY 2006-07 (PARTF Grant for \$150,000 received)) Three Sisters Park; FY 2007-08 Three Sisters Park Grant-including \$50,000 from Area Businesses; FY 2008-09, FY 2009-10 Complete Three Sisters Park</i>						
	150,000	150,000	200,000	525,000	-	-
BBQ Park						
<i>This project will provide for the development of BBQ Park (old Bob Melton's property) in conjunction with Nash County. The City's share is 50% of the cost of the project.</i>						
<i>FY 2006-07: Complete Fishing Pier</i>						
<i>FY 2011-12: Restore spring and cooking pits, picnic shelter, walkways.</i>						
	-	-	100,000	150,000	-	-
Building Demolition						
<i>This project will allow for the demolition of City building no longer in use:</i>						
<i>FY 2012-13 Playhouse Theatre (Nashville Road) \$80,000</i>						
	-	-	80,000	80,000	-	-
Cemetery Improvements						
<i>This project provides funding to facility improvements at Pineview, Northeastern and Battleboro Cemeteries. The project will provide for ditch repairs and new offices.</i>						
<i>FY 2006-07: Planning and design of new cemetery offices and maintenance building improvements</i>						
<i>FY 2010-11: Fencing for new cemetery offices and maintenance building (\$30,000)</i>						
	-	-	30,000	55,000	-	-
City Lake Improvements						
<i>The area lights and fountain at City Lake have been in constant operation since 1992. Several of the area light poles have been re-enforced with PVC pipe and the fountain is experiencing corrosion from the contents of the water. The fountain lights no longer work. This project will allow for the replacement of the lights and fountain.</i>						
<i>FY 2008-09: Replacement of pole lights around lake</i>						
<i>FY 2011-12: Replacement of fountain</i>						
	-	65,000	115,000	115,000	-	-

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Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Gymnasiums and Community Centers						
<i>This project would provide for the maintenance and construction of gymnasiums/community centers. Funds in FY 2007-08 will replace the roof at Rocky Mount (RM) Wilson Gym. The current roof has numerous leaks. It was assessed by roofing professionals who determined that it is in need of replacement. This is the last city facility with a membrane roof that was popular several years ago. All have failed and been replaced. The company, in addition, no longer is in existence. FY 2010- 11, 2011-12 plans include building improvements to South Rocky Mount, BTW, and RM Wilson such as painting, flooring, general repair. Currently BTW and RM Wilson Gym are very old facilities with many updated needs.</i>						
	150,000	-	150,000	520,000	-	-
Imperial Centre for Arts and Sciences						
<i>This project provides funding for the Imperial Center:</i>						
<i>FY 2007-08: Operating Reserves (\$100,000)</i>						
<i>FY 2008-09: Operating Reserves (\$100,000)</i>						
<i>FY 2009-10: Operating Reserves (\$100,000)</i>						
<i>FY 2010-11: Operating Reserves (\$75,000)</i>						
<i>Future: Black Box Theatre Build Out (\$150,000)</i>						
	100,000	100,000	275,000	625,000	-	-
Park Improvements						
<i>These funds will be used to build and make facility maintenance improvements in parks as identified by the Parks and Recreation Master Plan.</i>						
	-	-	200,000	200,000	-	-
Parks Vehicle Replacement						
<i>This project will allow the replacement of vehicles and equipment:</i>						
<i>FY 2009-10: Replace Ford 555C Backhoe</i>						
	-	-	55,000	55,000	-	-
Regional Park Development						
<i>Acquisition and construction of a new park facility for the growing resident base of Rocky Mount as the result of various trends, including annexation.</i>						
	-	-	150,000	650,000	-	-
Revision to Parks Master Plan						
<i>This project provides for the revision of the existing Parks & Recreation Master Plan to incorporate adjustments resulting from changes in community preferences, growth, and identified challenges and opportunities.</i>						
	-	-	50,000	50,000	-	-
Riverside Park Improvements						
<i>This project provides for a series of improvements to Sunset Park. Phase I of project completed.</i>						
<i>FY 2005-06 & FY 2006-07: River overlooks, basketball courts, rebuild 3 tennis courts, community gardens, disc golf course, a backboard, pets park, and rock wall. Work to be completed in FY 2006-07. The major renovations at Sunset Park have been completed except for the tennis courts.</i>						
<i>FY 2010-11: of a New Spray Play, Dog Park, Picnic Shelter and Amphitheatre off of Thomas Street.</i>						
<i>FY 2011-12: Completion of Construcion of project in 2010-11.</i>						
	-	-	-	660,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Rocky Mount Sports Complex						
<i>The current number of ball fields are inadequate for larger number of baseball and softball teams participating in city programs. The number of teams will continue to increase each year. A multifield complex will best serve the needs of our community, will be economical and efficient to operate, maintain and generate revenue through regional tournaments and special events. The facility will include 11 baseball and softball fields for youth and adults, 8 soccer/football fields, 8 tennis courts, restrooms, concession stands, picnic stands, picnic shelters and playgrounds. Once complete, the Athletic Field Complex will eventually connect to the Tar River Trail. FY 2006-07 and FY 2007-08 (PARTF Grant-\$350,000 and LWCF Grant-\$150,000 received) Construction of Phase II-Soccer/Football Fields and other amenities, additional \$100,000 for unfunded amenities in Phase 1 - fence gates, portable mounds,dugout awnings (1/2 to be paid w/contributions); FY 2008-09 Completion of Phase II; FY 2008-09 Construction of Phase III - Youth Training facility with pepper field and batting cages, Playground, Picnic Shelter, Disc Golf course and connector to Tar River Trail (PARTF Grant - \$200,000 and Recreational Trails Grant \$75,000); FY 2009-10 and 2010-11 Shade Structures; FY 2010-11 Paving and gutter for soccer fields and other drive areas and construction of shade structures on the youth complex side of facility; FY 2011-12 Playgrounds in each wheel and soccer area. FY 2012-13 Shelter construction and fencing for soccer complex.</i>						
	800,000	150,000	400,000	1,200,000	-	-
Rocky Mount Sports Complex Phase III						
<i>This involves the third primary phase of the Rocky Mount Sports Complex, including the construction of parking and sidewalk access to the soccer fields as well as shade structures and spectator stands for the softball facilities.</i>						
	-	-	400,000	950,000	-	-
Senior Center						
<i>These funds provide for the development of a Senior Citizens Center. The center would provide recreational and support activities for senior citizens in the community. The facility will also provide evening meeting space for other department classes and activities. FY 2005-06: Funds to equip facility for immediate use and to study and develop plans for facility upgrade and improvements; FY 2006-07 & FY 2007-08: Upgrade and improve facility- restoration of store front \$5,000; elevator repairs \$10,000; plumbing repairs \$12,000; add phone lines on city system (\$16,000), Repair HVAC and Boiler (\$12,000). FY 2009-10 Complete replacement of HVAC and Heating Equipment (This equipment is 40 yrs. Old and is in a constant state of disrepair with no guarantee of a breakage that will shut down facility for usage.)</i>						
	50,000	425,000	475,000	565,000	-	-
Senior Center Building Payments						
<i>These funds provide the payment for the purchase of the downtown YMCA to be used as a Senior Citizens Center. The center would provide recreational and support activities for senior citizens in the community. The facility will also provide evening meeting space for other department classes and activities. FY 2006-07 to FY 2011-12: \$200,000 yearly payment according to sale contract Capital reserve will be funded from occupancy tax revenue</i>						
	200,000	200,000	900,000	2,200,000	-	-
Sports Complex Equipment						
<i>This project will allow the purchase of a truck and equipment for the newly built sports complex.</i>						
	-	-	-	84,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Tennis Court Resurfacing						
<i>This request is the beginning of an ongoing process of a plan to upfit and maintain tennis courts in our inventory. Each court would be redone to maximize the length of service to allow for maximum usage. Currently most courts have broken surfaces with cracks and grass growing in the or the surface is has wear patterns with surfaces coming up. Currently there are 34 courts and all except for approximately 4 are in need of reconstruction. This plan would start an ongoing capital imporvement program to bring courts back to playable condition and on a recurring basis have them retrofitted. Currently there are 34 courts and all except for approximately 4 are in need of reconstruction. This plan would start an ongoing capital imporvement program to bring courts back to playable condition and on a recurring basis have them retrofitted.</i>						
	-	-	480,000	840,000	-	-
Veterans' Memorial at Jack Laughery Park						
<i>This project will allow for establishment of the Rocky Mount Veterans Memorial @ Jack Laughery Park. A pledge has been received from citizen's group headed by Mayo Boddie to contribute a significant amount towards the project.</i>						
	592,000	-	-	642,000	-	-
Total	\$2,042,000	\$1,090,000	\$4,060,000	\$10,166,000		
Public Works						
Annexation Capital Equipment and Supplies						
<i>Provide the necessary new rollout garbage carts and recycling bins for the proposed annexation areas. It also includes funds to purchase three new radios need for the new collection vehicles.</i>						
	50,000	-	-	50,000	-	-
Annexation Capital Equipment for Environmental Services						
<i>Provide the necessary collection equipment to equip a new collection route to service the proposed annexation areas. The equipment includes one side loader , one rear loader, and one pickup truck.</i>						
	406,000	-	-	406,000	-	-
Annexation Displacement of Private Haulers						
<i>Provide the required funds for annexation of private solid waste haulers customers in annexations areas.</i>						
	-	75,000	75,000	75,000	-	-
Annexiation Capital Equipment for Community Code						
<i>Provide the necessary trucks and fogger for two new inspectors and one new office assistant. The proposed annexation areas have several structures that will be evaluated as dilapidated and qualify for demolition.</i>						
	35,000	-	-	35,000	-	-
Compost Sites						
<i>Proposed new compost site in Edgecombe County to reduce travel time and fuel costs for yard waste and limb collection and seasonal loose leaf collection. The City only has a single compost site which is located in Nash County near Nash Community College. The travel distance and operational cost to transport collection waste across town is not efficient. The establishment of an additional site on the Edgecombe side of the City would be cost effective and reduce non-productive work hours on each route.</i>						
	-	-	200,000	200,000	-	-
Environmental Services Area Improvements						
<i>This project provides for site improvements in the Environmental Services area. Improvements will include paving and additional parking areas in and around the Environmental Services Building, parking area, and transfer station.</i>						
	-	-	150,000	150,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description					Total One-Time Operating Impact	Average Recurring Operating Impact
	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total		
Environmental Services Equipment Replacement						
<i>The Solid Waste Services Division currently provides daily solid waste collection for 7 garbage routes, 3 knuckle-boom routes, 4 yard waste routes, 4 recycling routes and 3 front-end loader routes. The current replacement schedule is based on equipment life, depreciating values and maintenance history. The Division proposes purchasing new vehicles to continue to provide residential solid waste and recycling service at the current levels. The majority of current equipment used in providing residential service has well exceeded the normal life cycle of solid waste equipment.</i>						
<i>The Transfer Station operates equipment used to load for disposal municipal solid waste and transport recyclable materials.</i>						
	615,000	725,000	4,588,000	5,632,100	-	-
Equipment Storage Facility						
<i>Currently the Streets Division has a very limited amount of covered storage space for equipment storage. Project would erect a three sided free standing metal storage building 105' x 21' with concrete floor. Building would allow equipment storage and protect it from weather elements and extend life cycle.</i>						
	-	-	82,000	82,000	-	-
Fleet Maintenance Building Addition						
<i>The tire repair area of the Fleet Maintenance garage would be expanded adding an additional 1,200 square feet of usable enclosed storage and work space for tire replacement and repair. The additional space would also include a covered parking area for 3 division service vehicles. The additional storage space would allow the tire shop to maintain a larger on-site inventory to greatly speed up repairs on the city's equipment.</i>						
	-	-	110,000	110,000	-	-
Fleet Maintenance Building Reroof						
<i>In 2006, the Fleet Maintenance Building will be 24 years old, which is beyond the life expectancy of the facility's roof. Presently, the roof is showing signs of early deterioration and has experienced some leaking problems. These leaks present safety problems as water causes very slippery concrete floors. The reroofing of the facility is a needed repair.</i>						
	-	-	145,000	145,000	-	-
Fleet Maintenance Facility Improvements						
<i>This project will consist of repair and replacement of the concrete ramps and driveway to the two wash bays on the north end of the Fleet Maintenance facility. Over the years, the existing concrete has deteriorated and broken over the years by the heavy equipment and high pressure water washing.</i>						
	-	-	70,000	70,000	-	-
Fleet Maintenance Interior Improvements						
<i>The Fleet Maintenance facility was built in 1982. It is a high traffic area, with both vehicles/equipment and various city employees coming in and out daily. It is open 17 hours a day. The administrative/break room/restroom areas have not been upgraded. This funding will allow for: new paint, new floor covering, new drop ceiling tiles and lights, and new fixtures in the areas mentioned. The upgrades will provide a cleaner, more professional environment for employees and customers alike.</i>						
	70,000	-	-	70,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description					Total One-Time Operating Impact	Average Recurring Operating Impact
	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total		
New Fuel Pumps for City Fueling Site						
<i>Fueling services for the city's 1,300 vehicles and motorized equipment are provided 24 hours a day, 365 days per year at the City's Operations Complex. The present gasoline and diesel fuel pumps are 9 years old and are mechanical-type dispensers. With the dramatic increase in electronics on all mechanical equipment, these pumps are now obsolete. Parts for both general and extensive repairs require intensive searches increasing the downtime of the pumps. The pumps are in need of replacement with newer and more efficient style pumps. Replacement would include two (2) unleaded and one (1) diesel double handled pump.</i>						
	-	90,000	90,000	90,000	-	-
New Fuel Tanker						
<i>A Fuel Tanker is needed to service equipment at work sites and equipment at Waste Water Treatment Plant that cannot be moved to fuel pumps. This tanker should be at least 1,000 gallon capacity.</i>						
	-	-	100,000	100,000	-	-
Rollout Carts for Recycling Pilot Project						
<i>Residential recyclables are currently collected from 18-gallon recycling bins. This project provides for 96-gallon carts to be used in a pilot program to increase the amount of recyclables picked in the pilot areas.</i>						
	-	30,000	30,000	30,000	-	-
Salt Bin Improvements						
<i>The area for storage of salt and mixing of brine is not covered, creating an unsatisfactory condition when it is necessary to prepare salt for distribution on roads during winter weather. This project involves the covering of the area so that operations can be handled in an environment protected from the elements.</i>						
	70,000	-	-	70,000	-	-
Streets Equipment Replacement						
<i>The scheduled replacement of Street Division equipment ensures reliability and operational efficiency. Replacement is based upon an annual review of performance indicators and estimated life cycle of each piece of equipment. The performance indicators consider miles (hours), maintenance, and operational costs, downtime, and comparison of similar pieces of equipment LTD indicators. The replacement goal is to cycle out the equipment before the maintenance costs become too costly and while trade-in value is still high.</i>						
	345,495	397,000	1,753,000	2,358,495	-	-
Transfer Station Refurbishing						
<i>The Transfer Station incorporates a "wear slab" that is designed to wear down with usage to protect the major reinforced slab or floor. Due to increased tonnage of municipal solid waste and other debris being received at the transfer station, the floor life has been expended and requires replacement at this time to prevent potential damage to the underlying reinforcing slab. The replacement floor will be specified to be replaced with an iron aggregate topping which is designed for transfer station applications.</i>						
	175,000	-	-	175,000	-	-
Total	\$1,766,495	\$1,317,000	\$7,393,000	\$9,848,595		

Powell Bill

CMAQ Intersection Improvements

With the designation as a non attainment area for air quality, the City qualifies for grant funding for projects that will reduce air pollution. The City is eligible to receive \$1.7 million over a seven year period. The grant is a 80% NCDOT 20% local match.

NCDOT has programmed projects for the construction of sidewalk (TIP Project C-4969) and intersection improvements (TIP Project C-4970) and are listed below.

32,000	-	275,000	307,000	-	-
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2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
CMAQ Sidewalk Improvements						
<i>Sidewalk construction funded by CMAQ grant or other NCDOT grants.</i>						
	238,000	236,000	481,000	719,000	-	-
Engineering Equipment Replacement						
<i>The Signal Maintenance staff of the Engineering Department operate one bucket truck as a part of maintaining 132 traffic signals. Due to the expected level of maintenance, an additional signal bucket truck is needed. The new bucket truck will replace a 1998 Ford Ranger pickup truck that has limited uses. The additional bucket truck will also improve efficiency and response time to emergencies. It is planned for FY 2008-09.</i>						
	-	90,000	90,000	90,000	-	-
NCDOT Enh Match: Northern Connector R-2823						
<i>Enhancement match to included sidewalks on both sides of the the Northern Connector Project in conformance with the standards of the LDC. Total sidewalk length is approximately 50,000 ft</i>						
	-	-	140,000	490,000	-	-
NCDOT Enh. Match: Hunter Hill Rd. Widening U-3621 A&B						
<i>Share of sidewalk enhancements on proposed widening 60% NCDOT 40% City</i>						
	-	-	75,000	150,000	-	-
NCDOT Enh. Match: Winstead Ave. Widening U-4019						
<i>Share of sidewalk enhancements on proposed widening 60% NCDOT 40% City</i>						
	-	-	186,000	186,000	-	-
NCDOT Enh. Match: Country Club Road Widening U-3331						
<i>Share of sidewalk enhancements on proposed widening 60% NCDOT 40% City</i>						
	-	-	53,000	53,000	-	-
NCDOT Enh. Match: I-95 Interchange at Sunset Ave. U-5026						
<i>NCDOT plans to start construction in FY 2010-2011 on an additional interchange for Interstate 95 at Sunset Avenue. The City will contribute \$100,000 per year, starting in FY 2010-2011 to this project. Additional contributions will be made by Nash County.</i>						
	-	-	-	400,000	-	-
NCDOT Enh. Match: Kingston Ave Overpass						
<i>NCDOT plans to widen Kingston Avenue and Sutton Road as they approach the existing one lane Sutton Road Tunnel. The proposed project would construct a bridge over the CSX track adjacent to the Sutton Road Tunnel. The overpass would provide a link between the South Rocky Mount Sections in Nash and Edgecombe Counties.</i>						
	-	-	-	300,000	-	-
NCDOT Enh. Match: Signal System Upgrade						
<i>The city's traffic signal system was installed in 1995. The equipment that controls the signal operations is nearing the end of its useful life, and the signal cabinets, controllers, software, and computers need to be upgraded to current standards. The project costs would be funded by NCDOT (92%) \$5,464,800 and the City (8%) 475,200 over 3 years or more once it is programmed by NCDOT. This project is currently listed on our Unmet Needs List as the top priority. The funds listed in this project is the City's repayment of work provided by NCDOT.</i>						
	-	-	158,400	475,200	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description				Total One-Time Operating Impact	Average Recurring Operating Impact
FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total		
NCDOT Enh. Match: Southern Connector					
<i>This project provides for utility relocation, right-of-way, and sidewalk construction associated with the Kingston Avenue and Sutton Road widening project. NCDOT will be responsible for design and roadway construction costs. The project will widen Kingston Avenue and Sutton Road from Raleigh Road (NC 97) to Old Wilson Road. A future project will extend Sutton Road from Old Wilson Road to Cokey road as part of the city's Thoroughfare Plan. Construction is expected to begin in 2008.</i>					
-	100,000	200,000	200,000	-	-
NCDOT Enh. Match: US 64 Landscaping					
<i>This project involves landscaping work on US 64 as agreed between NCDOT and the City.</i>					
-	17,000	85,000	85,000	-	-
RC: Cunningham Drive Extension					
<i>Proposed Developer Agreement to extend Cunningham Drive beyond the limits of the project to Peele Rd under the Collector Street Extension Policy.</i>					
-	-	270,000	270,000	-	-
RC: Fairfield Road Railroad Crossing					
<i>This project involves the acquisition of right-of-way across the Nash County Railroad at Mayfair Dr. and the installation of a railroad crossing and safety devices to complete the connection of Mayfair Drive north and south of the rail road.</i>					
-	-	-	100,000	-	-
RC: Fountain School Road					
<i>Fountain School Road (SR 1402) is to be realigned north of the Fountain Correctional Center for Women onto Fountain Park Drive. The existing section of Fountain School Road will become an internal access to the correctional facility and will be controlled by a gate at each end. NCDOT will reimburse the City for the cost to construct the realignment.</i>					
600,000	-	-	600,000	-	-
RC: Nicodemus Mile Rd-English Rd Re-alignment (DA)					
<i>Developer agreement to re-align Nicodemus Mile Rd and English Rd to improve traffic flow.</i>					
-	83,333	250,000	250,000	-	-
RC: Rosewood Avenue Extension					
<i>This project provides for the extension of Rosewood Avenue to Springfield Road as part of the City's Collector Street Extension Program. Street construction costs could be shared if installed by a developer in accordance with the City's Collector Street Participation Program.</i>					
-	-	95,000	95,000	-	-
Reimbursement: Downtown SAFETEA Grant Match NEEDS UPDATE					
<i>As part of reauthorization of the Federal Transportation Bill (SAFETEA-LU), the City of Rocky Mount received an earmark of \$5,068,800 to fund improvements within downtown. This amount was later reduced to \$4,359,168 due to Federal Budget constraints. This grant includes a 20% local match which amounts to \$1,089,792. The match would be funded using NCDOT/CSX funding and additional contributions from Powell Bill and General Fund. Funds listed here will be used to pay for Powell Bill eligible projects proposed as part of the Downtown Improvements and to provide the balance of the local match.</i>					
140,000	225,000	891,000	1,031,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description					Total One-Time Operating Impact	Average Recurring Operating Impact
	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total		
Reimbursement: General Fund						
<i>The City's street division performs Powell Bill eligible activities such as drainage and street repair. Travel time studies are conducted every two years and the cost of these activities are reimbursed to the General Fund annually up to the limits set during the budget process.</i>						
	300,000	300,000	1,300,000	2,050,000	-	-
Reimbursement: Stormwater Fund						
<i>The City implemented a Stormwater Utility in FY 2003-04. Because a portion of the drainage improvements will be constructed within City-maintained street rights-of-way, construction of these improvements will be funded in-part with Powell Bill Funds.</i>						
	300,000	300,000	1,300,000	2,000,000	-	-
RM: Resurfacing Program						
<i>This is an annual program to rehabilitate and resurface existing City-maintained streets. In 1998 ITRE conducted a pavement condition survey which prioritized City streets with pavement deficiencies. This report was used to establish resurfacing priorities for the past 7 years. In FY 2006-07 a new pavement condition survey was completed by MacTech. The study used updated technologies and objective rating criteria to establish the pavement condition and required improvements for all local public street sections in the City. This new study will be the basis on which resurfacing priorities will be established going forward. Priority for street sections to be resurfaced will be based on a worst first basis provided the base condition of the street is adequate for resurfacing. Streets that need repairs to the point of street reconstruction will be handled as part of the street reconstruction program addressed in a separate CIP item.</i>						
<i>Improvements for this program typically include limited pavement patching, curb and gutter repair, utility casting adjustments, pavement resurfacing and new pavement markings.</i>						
	1,000,000	900,000	4,750,000	5,750,000	-	-
RM: Street Reconstruction Program						
<i>Reconstruction of streets deteriorated beyond the point of resurfacing. Need to identify individual projects and create a group.</i>						
	-	85,000	235,000	235,000	-	-
RS: Railroad Crossing Safety Projects						
<i>The City has entered into two Municipal Agreements with the NCDOT for rail crossing safety improvements. The funds would be used to pay the local share of the construction cost of the project. There are no new projects in this CIP request because all currently identified railroad crossing enhancements have been included in the Traffic Separation Study Project. The currently identified payments should be the last on this project</i>						
	-	13,800	21,400	33,400	-	-
RS: Traffic Separation Mitigation Projects						
<i>The City has entered into a Traffic Separation study with NCDOT and the railroads operating in the city. The study recommends the closure of certain rail crossings and the construction of projects that would mitigate the impact of the crossing closures. While most of the cost of the mitigation projects on the CSX lines will be borne by NCDOT, the City will have to pay the cost of the improvements on the Nash County Railroad line. The projects, costs and schedule are listed below.</i>						
	325,000	150,000	855,000	1,180,000	-	-
Special Studies						
<i>Funds are to be utilized for several important studies related to infrastructure maintained by the City of Rocky Mount. These studies include the pavement and sidewalk condition survey, the traffic control sign GPS Inventory, the travel time, stop, and delay study for the traffic signal system, and the traffic engineering services contract.</i>						
	-	-	-	226,400	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Spot Safety: Halifax Rd and Ketch Point Dr						
<i>Left turn lane construction at the intersection of Halifax Road and Ketch Point Dr</i>	-	50,000	50,000	50,000	-	-
Spot Safety: Jeffery's Rd and Northgreen Ln						
<i>Left turn lane at the intersection of Jefferys Rd and Northgreen Ln</i>	-	-	50,000	50,000	-	-
SW: Sidewalk Repair-Annual						
<i>This program was initiated in FY 1995-96 to repair damaged sidewalks throughout the City. As with the street resurfacing program, a new sidewalk condition survey was completed by MacTech in FY07. The funds in this project will continue to repair sidewalks on street to be resurfaced and other high priority areas identified in the sidewalk condition survey.</i>	75,000	100,000	500,000	575,000	-	-
SW: Supplemental Sidewalk Construction						
<i>This project provides for the construction of new sidewalks from the Powell Bill allocation based on the Revised Sidewalk Priority List developed and approved by the City Council. Sidewalk construction grants are proposed under a separate project.</i>	186,600	-	-	386,600	-	-
TS: Neighborhood Traffic Management Program						
<i>This project provides funds for installation of traffic calming devices in accordance with the Neighborhood Traffic Management Program guidelines.</i>	-	15,000	75,000	75,000	-	-
TS: Pavement Marking Program						
<i>This project provides for the replacement of pavement markings on resurfaced streets as well as streets that need to be re-marked due to wear.</i>	35,000	35,000	199,000	234,000	-	-
TS: Regulatory Sign Replacement Program						
<i>This project replaces regulatory signs such as stop signs and speed limit signs that, due to loss of reflectivity, no longer conform to the Manual of Uniform Traffic Control Devices.</i>	-	-	-	50,000	-	-
TS: Signal System Improvements						
<i>Funds for this project will be used to further enhance our ability to maintain and operate our signal system. Work includes replacing direct bury lead-ins on traffic detection loops; bringing signals on line with our coordinated traffic signal system; upgrading existing signal phasing at several locations; and the installation of loops at intersections to make the controllers semi-actuated.</i>	-	60,000	100,000	100,000	-	-
Total	\$3,231,600	\$2,760,133	\$12,684,800	\$18,796,600		

Electric

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description				Total One-Time Operating Impact	Average Recurring Operating Impact
FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total		
Backup SCADA System					
<i>This project is to purchase and install a backup SCADA system at the Generator/Substation Repair Shop located at the Pole Yard on Thorpe Rd. adjacent to the Environmental Services building. The SCADA system is used by the Utility and Water Resources Departments to remotely monitor and control the electric and gas distribution systems, load management generators and various components and systems of the Water Resources Department. A backup SCADA system will allow these remote operations to continue if the main SCADA site at the Utility Operations Center becomes unusable or inaccessible.</i>					
-	100,000	100,000	100,000	-	-
Construct Second Point of Delivery Station					
<i>Project is to construct a second point of delivery station. Load growth projections indicate this additional station will be necessary in the next 5 to 15 years. The Power Agency's transition from the Power Coordination Agreement to the Open Access Transmission Tariff (OATT) necessitates completion of the first phase of this project before 2010. Funds are for planning, design, land acquisition, and construction of 230 kV structures, switches, and tie bus that will satisfy the requirements of the OATT.</i>					
<i>Funds are also included in later years to complete the construction of a 230 to 69 kV delivery point station. System load growth will be evaluated each year to determine required date for delivery point station construction. This project was identified in the 2007 - 2026 Long Range Plan.</i>					
-	500,000	500,000	500,000	-	-
Distribution System Improvements					
<i>This project provides for improvements to electric distribution circuits by extending feeders, replacing inadequate systems, and replacing decayed poles. This provides increased service reliability to our customers.</i>					
150,000	225,000	1,225,000	1,875,000	-	-
Electric Automated Meter Reading					
<i>To provide funding for Automated Meter Reading (AMR) of electric, gas and water meters. AMR provides meter reading without gaining access to a customers property. Costs are reduced through reduced staffing, reduced re-reads, more accurate reads, and elimination of access problems. Customer service is improved by eliminating estimated bills, reducing high bill complaints, and eliminating need to access customer premise. Cash flow is improved by fewer meter reading cycles and reduced revenue delays due to inaccurate or estimated reads. It also reduces liabilities through reduced employee driving of vehicles and the entering of customer premises. Theft detection is also greatly enhanced.</i>					
150,000	150,000	750,000	1,050,000	-	-
Electric Equipment Replacement					
<i>To provide funds for new and replacement construction equipment necessary for the construction, operation and maintenance of the City's Electric Distribution System. Proper and reliable equipment is essential for ensuring a safe, reliable, and cost effective operation. Equipment that is not replaced at the end of its usable life increases repair and operating costs, and outage duration, while decreasing safety, reliability, and customer satisfaction.</i>					
<i>This budget provides for replacing equipment on the following cycle:</i>					
<i>Service Bucket Trucks - 10 years</i>					
<i>Bucket & Derrick Trucks - 10 years</i>					
<i>Directional Bore, Large - 10 years</i>					
<i>Dump Trucks (3) - 10 years</i>					
<i>Backhoe (3) - 10 years</i>					
<i>Trencher, Large (3); Medium (1) - base replacement on hours and maintenance costs</i>					
425,000	365,000	2,050,000	2,475,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description					Total One-Time Operating Impact	Average Recurring Operating Impact
FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total			
Electric Equipment Shed						
<i>To fund the construction of an equipment shed at the pole yard. This building would be 200' by 40'. It would be used to store approximately 20 pieces of the Utility Department's construction equipment (bucket trucks, line trucks, trenchers, backhoes, mini-derrick) This equipment is deteriorating since it is now stored outside in the weather. In addition, various emergency supplies would be centrally stored here such as substation equipment, transformer oil, copper wire, etc., allowing for faster response to outages.</i>						
-	-	-	100,000	-	-	-
Electric Long Range Plan						
<i>This project provides funding for a long range planning study of the City's electric system and the update of the distribution system model on a five year basis. The long range plan will include system load growth projections for the next five, ten and twenty years based on historical usage information, weather and mathematical trending, and an analysis of factors influencing electricity use in each geographical area. This study will be the basis for all future system improvements such as rebuilding, constructing, and locating substations, reinforcement circuit installations, and minimizing system losses. The distribution system model is utilized for system analysis including present system voltage and capacity as well as long-range voltage and capacity at 2, 5 and 10 year intervals.</i>						
50,000	-	60,000	110,000	-	-	-
Electric Sectionalizing Plan						
<i>Project is to provide for purchase and installation of additional system protection and sectionalizing devices. A protection device coordination study underway in FY 2007-08 will determine the proper size and location of system protection and sectionalizing devices (relays, reclosers, and fuses). This will insure the proper level of protection is provided to all distribution equipment such as station transformers and will coordinate to localize power interruptions. Additional sectionalizing devices and protect equipment are necessary as system changes in both load size and location. This study was last performed in 1988. There have been many changes to the distribution system since then which necessitate this study. This project was identified in the long range planning study and are necessary to continue to provide safe, reliable electrical service to our customers.</i>						
75,000	-	-	175,000	-	-	-
Radio System Improvements						
<i>This project provides for the systematic replacement and upgrade of the City's 800 MHZ trunking radio system and equipment. Included is the replacement of analog radios and radio equipment with digital capable equipment. Dependable and reliable communications are essential for all City departments to operate effectively.</i>						
150,000	150,000	750,000	1,200,000	-	-	-
Relocation of Utility Lines (DOT)						
<i>This project involves the relocation of electric distribution and transmission facilities for North Carolina Department of Transportation (NCDOT) road improvement projects. It is expected that the cost of this work will be reimbursed by NCDOT. This cannot be confirmed until detailed planning of each project is complete.</i>						
50,000	150,000	400,000	450,000	-	-	-
Residential Load Management Program						
<i>These funds are used to purchase new and replacement load management switches for our residential load management program. Load management switches are installed on customer's electric water heaters, central air conditioners and electric heat pumps. The switches are operated each month during the highest system demand and assist to lower the coincidental peak which decreases the wholesale cost of electricity. These savings are shared with the customer.</i>						
100,000	100,000	500,000	700,000	-	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description					Total One-Time Operating Impact	Average Recurring Operating Impact
FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total			
Street Light Improvements						
<i>This project involves installing street lighting according to North Carolina Department of Transportation (NCDOT) standards.</i>						
15,000	-	-	115,000	-	-	-
Substation #1 - Replace Substation Transformer						
<i>Project is to replace the 50+ year old 69kV substation transformer and associated high voltage structures, insulators and switches. The low side bus structure, associated circuit breakers and relays were replaced in 2001. At 50+ years old the transformer and associated high voltage equipment is well past the end of its predicted useful life and has become unreliable. The dielectric components of each are breaking down and subject to catastrophic failure.</i>						
<i>The priority of replacing the station transformer will be evaluated immediately prior to the project. Based on testing of the actual internal condition of the transformer and the comparison with other distribution system capital improvement needs if prudent the replacement of the transformer will be deferred.</i>						
<i>This project was identified in the 2007 - 2026 Long Range Plan, Phase II and is necessary to ensure system reliability, reduce system losses, and provide a satisfactory level of customer service.</i>						
-	-	-	1,710,000	-	-	-
Substation #10/11 - Capacity Expansion						
<i>The transformers at Substations #6, 10 and 11 are heavily loaded during peak summer load. With continued system load growth, if one were to fail there may not be sufficient capacity in the other transformers to pick up the load. This project will provide funds to test and relocate the unused transformer from substation #4 to #10/11. It also provides funding to construct the necessary low side bus structure and associated circuit breakers and relays at substation #10/11. This project is necessary in order to continue provide reliable power and a satisfactory level of customer service.</i>						
-	-	-	517,000	-	-	-
Substation #12 - Transformer Refurbish						
<i>On June 1, 2006, the load tap changer on the station transformer at Substation # 12 failed damaging the tap windings in the transformer. The transformer has been shipped back to the manufacturer (General Electric) to be repaired. The cost of these repairs is expected to be covered by the City's insurance minus the deductible.</i>						
-	-	-	508,000	-	-	-
Substation #14 - Construct Transmission Line						
<i>Substation #14 is the only City of Rocky Mount substation supplied by a single 69 kV radial feed transmission line. This substation provides power to the northern area of the electric distribution system including the large industrial customers at the Whitaker Industrial Park. This project is to construct a second 69 kV transmission line to Substation #14 providing a dual feed for the substation. This will increase the reliability to the customers supplied from Substation # 14.</i>						
<i>This project was identified in the 2007 - 2026 Long Range Plan, Phase I & II and is necessary to ensure system reliability, reduce system losses, and provide a satisfactory level of customer service.</i>						
-	-	900,000	2,400,000	-	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description					Total One-Time Operating Impact	Average Recurring Operating Impact
FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total			
Substation #2 - Rebuild Substation						
<i>Project is to rebuild Substation # 2. It includes replacing the low side bus structure and associated circuit breakers and relays and the high voltage structures, insulators, and switches. This equipment is over 40 years old and is well past the end of its predicted useful life and has become unreliable. The dielectric components of each are breaking down and causing power outages. Repair parts are no longer readily available. This project was identified for replacement in the long range planning study and is necessary to ensure system reliability, reduce system losses, and provide a satisfactory level of customer service.</i>						
686,000	-	-	696,000		-	-
Substation #4 - Replace Substation Transformer						
<i>Project is to replace the 45 year old 69kV substation transformer. The low side bus structure, associated circuit breakers and relays were replaced in 2001. At 45 years old the transformer is well past the end of its predicted useful life and has become unreliable. The dielectric components are breaking down and subject to catastrophic failure.</i>						
<i>The priority of replacing the station transformer will be evaluated immediately prior to the project. Based on testing of the actual internal condition of the transformer and the comparison with other distribution system capital improvement needs if prudent the replacement of the transformer will be deferred.</i>						
<i>This project was identified in the 2007 - 2026 Long Range Plan, Phase II and is necessary to ensure system reliability, reduce system losses, and provide a satisfactory level of customer service.</i>						
-	-	-	1,500,000		-	-
Substation #5 - Rebuild Substation						
<i>Project is to rebuild Substation # 5. It includes replacing the 40+ year old 69kV substation transformer and associated high voltage structures, insulators and switches and replacing the low side bus structure, associated circuit breakers and relays. This equipment is over 40 years old and is well past the end of its predicted useful life and has become unreliable. The dielectric components of each are breaking down and causing power outages and repair parts are no longer readily available.</i>						
<i>The priority of replacing the station transformer will be evaluated immediately prior to the rebuilding of the substation. Based on testing of the actual internal condition of the transformer and the comparison with other distribution system capital improvement needs if prudent the replacement of the transformer will be deferred.</i>						
<i>This project was identified in the 2007 - 2026 Long Range Plan, Phase I and is necessary to ensure system reliability, reduce system losses, and provide a satisfactory level of customer service.</i>						
-	-	2,400,000	2,400,000		-	-
Substation #6 - Replace Substation Transformer						
<i>Project is to replace the 40+ year old 69kV substation transformer. The low side bus structure, associated circuit breakers and relays were replaced in 2001. At 40+ years old the transformer is at the end of its predicted useful life and has become unreliable. The dielectric components are breaking down and subject to catastrophic failure.</i>						
<i>The priority of replacing the station transformer will be evaluated immediately prior to the project. Based on testing of the actual internal condition of the transformer and the comparison with other distribution system capital improvement needs if prudent the replacement of the transformer will be deferred.</i>						
<i>This project was identified in the 2007 - 2026 Long Range Plan, Phase II and is necessary to ensure system reliability, reduce system losses, and provide a satisfactory level of customer service.</i>						
-	-	-	1,500,000		-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description					Total One-Time Operating Impact	Average Recurring Operating Impact
	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total		
Substation #7 - Rebuild Substation						
<i>Project is to rebuild Substation # 7. It includes replacing the 40 year old high voltage structures, insulators and switches and replacing the low side bus structure, associated circuit breakers and relays. This equipment is over 40 years old and is well past the end of its predicted useful life and has become unreliable. The dielectric components of each are breaking down and causing power outages and repair parts are no longer readily available.</i>						
<i>This project was identified in the 2007 - 2026 Long Range Plan, Phase II and is necessary to ensure system reliability, reduce system losses, and provide a satisfactory level of customer service.</i>						
	-	-	-	1,100,000	-	-
Substation #8 - Rebuild Substation						
<i>Project is to rebuild Substation # 8. It includes replacing the 30+ year old 69kV substation transformer and associated high voltage structures, insulators and switches and replacing the low side bus structure, associated circuit breakers and relays. This equipment is over 30 years old and is well past the end of its predicted useful life and has become unreliable. The dielectric components of each are breaking down and causing power outages and repair parts are no longer readily available.</i>						
<i>The existing 69 – 13.2 kV, 20 MVA substation transformer will be replaced with a 230 x 69 – 13.2 kV, 30 MVA dual voltage high side transformer. This dual voltage high side transformer will operate at 230 kV initially and be fed from the City's new second point of delivery station to be constructed adjacent to Substation # 8 in FY2009. This will remove load from the existing point of delivery station and deferring the purchase of a 230 – 69 kV 120 MVA transformer for the second point of delivery station (at a current cost of \$7M). When the second delivery station transformer is eventually installed the dual voltage high side transformer at Substation # 8 can then be transferred over to 69 kV if conditions so warrant.</i>						
<i>This project was identified in the 2007 - 2026 Long Range Plan, Phase I and is necessary to ensure system reliability, reduce system losses, and provide a satisfactory level of customer service.</i>						
	-	-	3,375,000	3,375,000	-	-
Substation #9 - Rebuild Substation						
<i>Project is to rebuild Substation # 9. It includes replacing the 30+ year old 69kV substation transformer and associated high voltage structures, insulators, and switches and replacing the low side bus structure, associated circuit breakers, and relays. This equipment is over 30 years old and is at the end of its predicted useful life. The dielectric components of the switchgear are breaking down and causing power outages. Repair parts are no longer readily available.</i>						
<i>Due to the age of the other substation transformers the transformer removed from this substation will be retained as a spare for emergency use in the other substations.</i>						
<i>This project was identified in the 2007 - 2026 Long Range Plan, Phase I and is necessary to ensure system reliability, reduce system losses, and provide a satisfactory level of customer service.</i>						
	-	2,000,000	2,000,000	2,000,000	-	-
Transformer Shop Addition						
<i>To fund the construction of an additional work bay on the transformer shop located at the pole yard. This addition will house a workshop area to be utilized by the substation technicians.</i>						
	-	-	-	50,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Transmission Pole Replacement						
<i>This project is to provide for the replacement of wooden transmission line poles and insulators. These poles support the City's 69kv transmission system which supplies power to the City's 14 Substations. They are critical to the operation of the electrical system. Many of these poles are 33+ years old. A large number of these poles have a manufacture date that, due to the age of the pole, is no longer readable and most likely 40+ years old. These poles are past the end of their usable life and will be replaced with steel poles.</i>						
<i>This project was identified in the 2007 - 2026 Long Range Plan, Phase I, II & III and is necessary to ensure system reliability and provide a satisfactory level of customer service.</i>						
	125,000	200,000	1,200,000	1,575,000	-	-
Utility Department Computer Systems						
<i>This project provides funding for the maintenance and expansion of hardware and software for the various Utility Department computer systems including SCADA, GIS, OMS, IVR and electric and natural gas system modeling software. These various systems are used to monitor, control and analyze the electric and natural gas distribution systems. Data acquired from these systems is used for system modeling, long range planning studies, electronic and paper system maps, work order system and the automated trouble call system. These systems enable the Utility Department to efficiently plan and design system expansions and reinforcements, improve outage response times and support dispatching and accurate customer billing.</i>						
	65,000	90,000	490,000	755,000	-	-
Utility Operations Center						
<i>This project provides funds for the purchase of land and buildings for a Utility Operations Center. The Space Needs Study conducted by The Wooten Company confirms there is not adequate space for current operations at the City's Ablemarle Ave. Complex. This project will allow Electric and Gas operations to vacate the Ablemarle Ave. Complex providing necessary space for the other City Divisions for current and future needs. This project also provides adequate space for current and future needs for Utility Operations.</i>						
	-	-	1,100,000	1,100,000	-	-
Total	\$2,041,000	\$4,030,000	\$17,800,000	\$30,036,000		

Gas

Gas Automated Meter Reading

To provide funding for Automated Meter Reading (AMR) of electric, gas and water meters. AMR provides meter reading without having to gain access to a customers property. Costs are reduced through reduced staffing, reduced re-reads, more accurate reads, and elimination of access problems. Customer service is improved by eliminating estimated bills, reducing high bill complaints, and eliminating need to access customer premise. Cash flow is improved by fewer meter reading cycles and reduced revenue delays due to inaccurate or estimated reads. It also reduces liabilities through greatly reduced employee driving of vehicles, and entering customer premises. Theft detection is also greatly enhanced.

100,000	100,000	500,000	700,000	-	-
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Gas Equipment Building

Construction of a 40' x 100' metal equipment storage facility to house Gas Division construction equipment including directional drilling rig, spare trenchers, backhoes, etc.

-	50,000	50,000	50,000	-	-
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2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description					Total One-Time Operating Impact	Average Recurring Operating Impact
	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total		
Gas Equipment Replacement						
<i>This project will provide funds for new and replacement construction equipment necessary for the installation and maintenance of natural gas mains and services. Proper and reliable equipment is essential for ensuring safe and cost effective operation of the Gas Division. Equipment that is not replaced at the end its usable life increases repair costs and operating costs, while decreasing safety, reliability, and customer satisfaction.</i>						
<i>This budget provides for replacing equipment on the following cycle:</i>						
<i>Backhoe - 10 years</i>						
<i>Trencher, Mains - 6 years</i>						
<i>Trencher, Services - 6 years</i>						
	200,000	140,000	300,000	500,000	-	-
Gas System Expansion						
<i>This project provides funding for the expansion of the natural gas distribution system into areas of planned development.</i>						
	100,000	100,000	500,000	800,000	-	-
MGP Remediation						
<i>This project provides for the remedial investigation (RI) of the subsurface area at the location of the City's former manufactured gas plant (MGP) site. The City operated a coal gas manufacturing plant from ~ the 1920's to 1950's. In general, MGP's produced coal gas for lighting and heating from coal. Byproducts of this process including coal tar and oils were typically stored and disposed of on sight. This may have caused contamination of the subsurface area of the MGP. This project is implement a DENR approved remedial investigation (RI) to determine the extent of any subsurface contamination and develop and implement a DENR approved remedial action plan (RAP) to address any subsurface contamination.</i>						
	-	130,000	130,000	130,000	-	-
New Gas Mains						
<i>This project provides funds for the installation of natural gas mains to serve new residential, commercial and industrial customers. Anticipated projects include:</i>						
<i>Ford's Colony - next phases</i>						
<i>Bend of the River Rd. Expansion</i>						
<i>West Mount Dr. Expansion</i>						
<i>Crossings @ 64</i>						
<i>Meadowbrook Rd. Loop</i>						
	300,000	300,000	1,500,000	2,400,000	-	-
New Gas Services						
<i>This project provides funds for the installation of natural gas services lines from new and existing mains for new residential, commercial, and industrial customers.</i>						
	150,000	150,000	750,000	1,200,000	-	-
Peak Shaving Facility						
<i>This project provides funding for analyzing the feasibility of constructing and operating a peak shaving facility to reduce natural gas supply costs and ensure reliable delivery of natural gas to our customers on the coldest or "peak demand" days of the year. This project is necessary to explore options in preparation for the 11/2010 expiration of the current natural gas redelivery contract with Piedmont Natural Gas Company.</i>						
	-	-	50,000	50,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Replace Gas Mains						
<i>This project provides for the replacement of gas main that is at the end of its useful life and is subject to increasing leakage. The current project to replace all cast iron gas main is expected to be completed in FY 2008. The next project is to replace all isolated steel gas mains serving Housing Authorities, apartment complexes, and inter-city neighborhoods.</i>	250,000	250,000	1,250,000	2,000,000	-	-
Total	\$1,100,000	\$1,220,000	\$5,030,000	\$7,830,000		
Water						
2" Main Replacement Program						
<i>This program is intended to improve fire protection and reduce water losses due to leaks by replacing selected sections of 2" galvanized water mains throughout the City with new mains over time. Currently, there are about 200,000 linear feet of 2" galvanized steel water lines in the water distribution system. Nearly all of it is beyond its 20 year useful life. The schedule and anticipated cost for the initial project areas are listed below.</i>	-	100,000	500,000	600,000	-	-
Construction Equipment - Water						
<i>Timely replacement of existing aged equipment and the need for new equipment to obtain the long range goals of the Department. Replacements are in accord with records and recommendations by Fleet Maintenance and the Public Works Department.</i>	-	125,000	595,000	595,000	-	-
Continuous Sludge Removal System						
<i>A system referenced from the Engineering Study of May 2005 which address the poor handling capabilities of the two water plants with ferric sludge. The equipment would assure that the product going to the land application fields were a high % solids product thru a steady blanket withdrawal process.</i>	-	-	1,000,000	1,000,000	-	(50,000)
Goldrock Tank Interconnect						
<i>Interconnection of 16" and 12" inlet and outlet water mains in Goldrock Rd at the Goldrock Tank and add check valves to improve fire protection by allowing the tank to supply fire flows on Goldrock Road south of the tank. Current arrangement only allows water from the upper 8 feet of the tank to flow south.</i>	-	-	50,000	50,000	-	-
Hanson Quarry Fill						
<i>CRM is scheduled to take ownership of the NC-97 Hanson Quarry in 2008. We have several options on its use; however, each approach requires that the quarry have a means of being filled from the Tar River. Funds would cause a 60" pipe to gravity feed from the Tar River to the full level of the quarry.</i>	-	-	155,000	155,000	-	-
Hydrilla Management						
<i>An invasive species of water plant called Hydrilla has been imported into the Saponi Creek arm of the reservoir. If left alone, this water plant will spread to all parts of the reservoir clogging navigation and adding to the difficulty of treating the water. Chemical treatment and the use of sterile grass eating carp have been suggested as ways to hinder the spread of the "weed." Funds are to budgeted for efforts to control and eventually eradicate this plant.</i>	48,000	50,000	250,000	300,800	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description					Total One-Time Operating Impact	Average Recurring Operating Impact
	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total		
Land for Ferric Sludge Application						
<i>State Regulations for ferric sludge are much different than those of WWTP sludge. Our target is to locate approximately 15 acres within 5 miles of the Tar & Sunset Water Plants dedicated solely to ferric sludge disposal. Disposal costs should offset the purchase cost within 10 years.</i>						
	-	5,000	170,000	170,000	-	-
Old Mill Road Quarry Refill						
<i>A permanent connection from the Tar River to the Old Mill Road Quarries which would allow refill at any time when the river flow exceeds 80 cfs. The project will represent a 12" HDPE line going under US-301, to and under Maple Creek, and enter the quarry at an elevation significantly lower than the draft elevation of the Tar River. Upon priming, the system will act as a siphon.</i>						
	100,000	-	-	100,000	-	-
Raw Water Screen Replacement						
<i>Two of the four raw water intake screens, which will remove any obstacle or debris 1/4" or larger, have been replaced in years past. The two target units are still the original 1954 construction and are in need of a planned replacement schedule.</i>						
	-	-	160,000	160,000	-	-
Reline / Replace Ductile Iron Pipe Water Lines						
<i>This project in the first years will provide funds for relining the 60 year-old water lines in Swealton Heights, Rose Street and Washington Streets.. The lining rehabilitation of the lines, which will cost about \$35 per foot, will prevent corrosion and subsequent discoloration of the water. When completed, the lines should have an additional 40-60 years of life.</i>						
	146,000	100,000	450,000	633,300	-	-
Relocate NH3-N Feed Point						
<i>The Tar River Plant was never designed for chloramines. At the present feed point, it requires 6 hours to determine if feed rates are correct. Funds would move the ammonia feed location to the inflow of Clearwell #1. Liabilities of this mis-feed can be very costly from the standpoint of being a water provider.</i>						
	-	-	220,000	220,000	-	-
Reservoir WTP Bulk Chemical Storage Tanks						
<i>This project would replace the two (2) fiberglass 20,000 gal bulk Ferric Sulfate storage tanks at the Tar River Water Treatment Plant. Tanks have been in service since 1974 when the Tar River WTP was built. Tanks are constructed of fiberglass and have received regular maintenance and inspections. However time and the weather has taken its toll on the tanks. We have had one minor failure of one of the Ferric Sulfate bulk storage. Tanks are contained within a berm but a failure could shut the treatment plant down until repairs could be made.</i>						
	-	-	100,000	100,000	-	-
Reservoir WTP Dewatering Building Projects						
<i>Replace two Track-Vac units and install two additional storage/decant tanks</i>						
	130,000	-	-	130,000	-	-
Sunset Finished Water Pump Motor						
<i>400 HP finish water pump motor has been rebuilt at least five times over the past and continues to "go to ground" ... Twice in the last year. Rebuild is \$25k while a new more efficient motor is clearly the better investment.</i>						
	-	80,000	80,000	80,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Sunset WT Raw Water Pump						
<i>Replacement of 1954 design Raw Water Pump @ the Sunset Facility. Parts availability has taken unit beyond a rebuild & with Sunset as the peaking plant, a highly efficient and variable speed unit is needed. Replacement will be a variable speed verticle turbine pump.</i>						
	-	-	122,500	122,500	-	-
Sunset WTP Backwash Pump						
<i>Replacement of the original 1954 Filter Bashwash Pump with a new highly efficient variable speed verticle turbine. Existing pump poses hardships upon electrical costs as well as pump maintenance & repair part acquisition.</i>						
	-	70,000	70,000	70,000	-	-
Sunset WTP Force Main						
<i>Project will fund installation of a force main from the Sunset WTP sludge dewatering facilities along River Drive. This change will allow the discharge of decant water pumps into the gravity sewers. Decant water will no longer be discharged to the river. Advantages are an unpermitted (by the NC DENR) discharge and reduction in chemical cost by not having to dechlorinate. Sludge solids generated in the WTP will continue to be land applied as in the past.</i>						
	17,500	-	50,000	67,500	-	(7,000)
TOC Analyzer / Tech Services						
<i>Our two primary components of testing in Water Production is TOC & HAA compounds. Our Lab provides these anasysis testing and maintenance & repair is generally a five year program. Funds would replace the existing equipment at its 8 year mark.</i>						
	-	-	60,000	60,000	-	-
Water Automated Meter Reading						
<i>This will fund the installation of electronic water meters in conjunction with electronic gas and electric meters. Cost are shared with Sewer Fund: 55% Water Fund / 45% Sewer Fund. Approximately 26,000 meters will be replaced at a cost of \$180 per meter including installation. Funds also consider new taps and considerations beyond subdivision construction.</i>						
	190,000	200,000	1,000,000	1,190,000	-	-
Water Resources SCADA System						
<i>Project funds will update existing utility with new server and a Windows based platform to better supervise and control the City of Rocky Mount's water system. Additional controls will allow remote operations rather than visitations. Our existing software allows review and acknowledgement only.</i>						
	-	90,000	140,000	200,000	-	-
Water Tank Maintenance						
<i>This project funds the repainting of the city's overhead storage water tanks in a timely manner. Each year, tanks will be painted and maintained in a manner consistent with acceptable practice and the provisions of the City's RFP. At the present time, the Marigold Tanks is approximately 10 years behind its acceptable maintenance schedule.</i>						
	-	135,000	515,000	515,000	-	-
WD: Edwards Street Water and Sewer Improvements						
<i>Extension of 6" water distribution line from Hammond Street to serve 5 properties on Edwards Street.</i>						
	-	40,000	40,000	40,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
WD:Annex Area 12A Water Mains (Bunn Farm)						
<i>Project provides for extension of 6" water mains in the Bunn Farm Subdivision to provide water service and the required fire protection.</i>						
	-	60,000	690,000	690,000	-	-
WD:Annex Area 13 Water Mains						
<i>This project provides for extension of a 12" water main on Peele Road to serve annexation area 13 as well as extension of service lines to Toddsberry Rd, Muscadine Rd, Ely Rd to provide the required fire protection</i>						
	-	-	457,000	457,000	-	-
WD:Annex Area 4B Water Mains						
<i>This project provides for extension of a 6" water mains on Avalon Rd and Stillmeadow Ln to provide required fire protections and distribution to annexation area 4B.</i>						
	-	10,000	97,000	97,000	-	-
WD:Annex Area 8A - Bell Aire Estates Water Mains						
<i>Water system in place & owned/operated by Nash County. Purchase plan must be pursued with County in a fashion timely to July 1st, 2008 effective annexation date.</i>						
	-	-	150,000	150,000	-	-
WD:Annex Area 8B Water Mains						
<i>This project provides for extension of 12" water mains in Cooley Road and Pridgen Road to serve annexation area 8B and extension of a 6" main in Porter Rd to provide water service and the required fire protection. Extension of other service lines in the area will be by petition.</i>						
	40,000	435,000	435,000	475,000	-	-
WD:Battleboro System Improvements-Gainor Ave, Denzel Ln						
<i>This project is identified in the 2003 Water System Master Plan to address low pressures and deficient fire flows in Battleboro. Gainor Ave (WSMP I-2), Denzel Ln (WSMP 2010-6).</i>						
	-	-	72,000	72,000	-	-
WD:Brookview Dr. 2007 Water and Sewer Extension						
<i>Extension of water and sewer services along Brookview Dr in response to requests for service in the area.</i>						
	30,000	-	-	30,000	-	-
WD:Drought 2007						
<i>Project provides funds for Wilson Emergency Water Interconnect projects and other capital costs associated with the 2007 drought.</i>						
	658,000	-	-	658,000	-	-
WD:E. Battleboro St. WM						
<i>Construction 3200 feet of 12" water main along E. Battleboro St. from Hathaway St. to Daniel Ave.</i>						
	-	-	315,000	315,000	-	-
WD:FY05 Debt Finance Main Extension Program						
<i>This project includes selected system improvements specified in the 2003 Water System Master Plan and extends water service and fire protection to rapidly developing areas within the City of Rocky Mount and its Extra-Territorial Jurisdiction (ETJ). Specific projects are identified under project status.</i>						
	-	-	-	2,071,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
WD:Lewy Lane Water Main						
<i>Extension of 6" water main along Lewy Lane to provide water service and fire protection. Lewy Lane was annexed in the 1996 city initiated annexation.</i>						
	-	-	50,000	50,000	-	-
WD:Minor Enhancement and Main Extensions						
<i>This project provides for small scale system enhancement projects and water main extensions required for fire protection and water service requests as approved by the City Council through the petition process. In addition, it allows for developer agreements for oversizing and extensions as required by the city. Currently identified projects are listed below and a contingency is provided to allow for construction of unidentified projects requiring immediate action.</i>						
	-	75,000	375,000	375,000	-	-
WD:NC-58 Water Main						
<i>Nash County is financing the connection of a 12" water main from the City of Wilson to an existing line on NC-97 which can offer drought relief transfer of 2.0 MGD to the City of Rocky Mount. Financing arrangement is a five year program between Wilson, Nash County and City of Rocky Mount.</i>						
	-	50,000	250,000	250,000	-	-
WD:Oak Level Elevated Tank						
<i>A .75 MG Tank to provide additional service capacity and improve system deficiencies west of I-95. This will complement watermain extensions planned along Oak Level Rd, Old Carriage Road and Old Spring Hope Road.</i>						
	-	-	-	1,200,000	-	-
WD:Oak Level Main Extension						
<i>This project provides for the construction of new 16" trunk lines along Oak Level Rd, Old Carriage Rd and Old Spring Hope Rd to provide an additional feed to Nashville, expand service to developing areas, and improve system deficiencies. It is anticipated that the cost of this project will be shared between Nashville, Nash County and the City. The schedule for the line extensions is listed below. A future 0.75 MG Tank planned for out years is listed a separate CIP.</i>						
	-	-	350,000	3,050,000	-	-
WD:Southeast Water System Improvements						
<i>Project was identified in the 2003 Water System Master Plan and provides for installation of new water mains to increase pressures and fire flow in the area. Project involves new watermain along Norfolk Road, WSMP 2025-1.</i>						
	-	-	270,000	270,000	-	-
WD:Windstone Subdivision Developer Agreement						
<i>Payment to developer for upsizing of a required main extension in Nicodemus Mile Rd.</i>						
	10,000	-	-	10,000	-	-
WD:Woodruff Rd Water and Sewer Improvements, Phase 3						
<i>Extension of water distribution lines to serve property on Woodruff Rd. from Goose Branch Dr to north of Goose Branch Creek. Design-Build work to be done by DOT contractor concurrently with construction of Northern Connector.</i>						
	-	80,000	80,000	80,000	-	-
Total	\$1,369,500	\$1,705,000	\$9,318,500	\$16,859,100		
Sewer						

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Construction Equipment - Sewer						
<i>Funding for this project is intended to schedule large equipment needing replacement. Such equipment includes rubber-tire backhoes, tracked backhoe, dump trucks, bulldozers, and a sewer jet. Replacement is scheduled from data compiled by the Public Works Department.</i>						
	254,000	210,000	885,000	1,139,000	-	-
Edgecombe-Martin Electrical System Purchase						
<i>By agreement, a monthly payment is made to Edgecombe Martin Electrical for the infrastructure serving the electrical needs of the WWTP. A MOU was addressed that would outright purchase the system in a lump sum payment of principle. Response to electrical outage would be better addressed by CRM forces than Edgecombe Martin.</i>						
	-	40,000	122,000	122,000	-	-
Gold Rock Lift Station Rehab						
<i>This project consists of the rehabilitation of the lift station on NC 4 in Gold Rock. With the continued development in the Whitaker Business and Industry Center, the pump station must be upgraded to handled additional flow and to meet current NC DENR requirements.</i>						
	-	70,000	70,000	70,000	-	-
Lift Station SCADA Project						
<i>This project will provide for the evaluation, specifications and installation of a supervisory control and data acquisition (SCADA) system for the Sanitary Sewer Lift Stations. This system will provide remote monitoring, data acquisition, as well as other problems such as high water, overheating pumps, fail start, and etc. Presently we have to visit 35 stations seven days a week 365 days per year to meet requirements of our Collections Permit. The SCADA system would provide 24 / 7 monitoring of our stations and save overtime hours, vehicle wear and tear as well as cost of fuel. The SCADA system will provide the capability of more continuous monitoring. An operational SCADA will reduce visitation from daily to weekly.</i>						
	60,000	50,000	250,000	310,000	-	-
Maple Creek Outfall I and I Mitigation						
<i>Project provides for the reduction of inflow and infiltration of the existing Maple Creek outfall to reduce the potential for sanitary sewer overflows and to delay construction of a new pump station and force main</i>						
	27,000	-	250,000	277,000	-	-
SC: Edwards Street Water and Sewer Improvements						
<i>Extension of 8" sewer main to serve 5 lots along Edwards Street currently without water and sewer.</i>						
	-	-	60,000	60,000	-	-
SC:Annex Area 13-Hornbeam Branch Outfall						
<i>This project will extend the 18"outfall line along Hornbeam Branch from Oaks Trail Rd, across Peele Road, and ending at Muscadine Road. Line is required to provide sewer availability to Annexation Area 13.</i>						
	-	-	191,000	191,000	-	-
SC:Annex Area 4A-College Road Sewer (Petition)						
<i>This project will establish a collector system for a proposed petition pump station within proposed Annexation Area 4A.</i>						
	-	-	267,000	267,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
SC:Annex Area 4B-Compass Creek Outfall						
<i>This project will extend an outfall line along Compass Creek from the 54" Tar River interceptor sewer to Moores pump station on Wesleyan Blvd. This project is necessary to provide sewer service to Annexation Area 4b and to remove Moor's Pump Station flow from downstream lift stations. Construction of this project will delay the upgrade downstream pump stations identified in the 2003 Sewer Master Plan for the foreseeable future. The Fenner Rd lift Station upgrade is a companion to this project and will evaluate the possibility of extending the Compass Creek Outfall to Fenner Rd in lieu of reconstructing the existing lift station.</i>						
	132,300	1,517,000	1,517,000	1,649,300	-	-
SC:Annex Area 7B-Cokey Road/Glendale Drive Sewer						
<i>This project will establish the Cokey Road Pump Station near the intersection of Cokey Road and S. Glendale Ave and an 8" sewer collection system along Glenddake Drive and Cokey Road to serve annexation area 7B.</i>						
	-	567,000	567,000	567,000	-	-
SC:Annex Area 8A-Bell Aire Estates Sewer						
<i>This project provides for purchase of approximately 3200 feet of existing 8" sewer lines in Bell Aire Estates from Nash Co. to serve annexation area 8A. These sewer lines discharge into a pump station that is owned and operated by the county.</i>						
	-	-	250,000	250,000	-	-
SC:Annex Area 8B-Cooley Road/South Wesleyan Sewer						
<i>This project will construct a new pump station, force main and 12" gravity sewer collection system to provide sewer service to annexation area 8B and the surrounding area. Some portions of annexation area 8A without sewer may also be served by this pump station.</i>						
	136,000	920,000	920,000	1,056,000	-	-
SC:Brookview Dr. 2007 Water and Sewer Extension						
<i>Extension of water and sewer services along Brookview Dr in response to requests for service in the area.</i>						
	62,500	-	-	62,500	-	-
SC:Fenner Road Pump Station Removal/Upgrade						
<i>This project provides for the removal or upgrade of the pump station on Fenner Road. The pump station is currently running at capacity and needs to be reconstructed or removed to be able to handle projected flow increases due to pending development projects. This project was recommended in the Sewer Master Plan and is a companion project to the Compass Creek Outfall project which will evaluate the feasibility of eliminating the lift station in lieu of reconstructing it.</i>						
	-	405,000	405,000	405,000	-	-
SC:Grape Branch Sewer						
<i>This project will provide for the extension of the Grape Branch 12" sewer line approximately 2,200 feet from the end of the existing line to Beechwood Drive. This project will provide gravity sewer service to the area Beechwood Drive area.</i>						
	-	-	222,000	222,000	-	-
SC:Jeffreys Court Sewer Main						
<i>This project would extend a gravity sewer up Jeffreys Court that would provide gravity sewer service to homes along Jeffreys Court and portions of Gold Rock Rd as well as to those properties fronting Benvenue Road. Homes along Jeffreys Court have failing septic tanks and need gravity sewer service.</i>						
	-	-	-	230,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
SC:Maple Creek Outfall Extension						
<i>This project will extend the existing Maple Creek outfall approximately 40,000 feet along Maple Creek, Bent Creek and an unnamed tributary from Warrington Court to Old Spring Hope Road. This project is necessary to serve the proposed Old Mill Steam Subdivision on Halifax Road and developing areas west of I-95. The project is proposed to be constructed in multiple phases described below. The upgrade of Maple Creek Pump Station and Force Main is a companion to this project.</i>						
	250,000	1,035,000	4,452,000	4,702,000	-	-
SC:Maple Creek Pump Station and Forcemain						
<i>Upgrades and/or reconstruction of the Maple Creek Pump Station and forcemain</i>						
	-	-	2,920,000	2,920,000	-	-
SC:Minor Enhancements and Main Extensions						
<i>This project provides for small scale system enhancement projects and sewer main extensions requests as approved by the City Council through the petition process. In addition, it allows for developer agreements for oversizing and extensions as required by the city. The currently identified projects are listed below and a contingency is provided to allow for construction of emergency projects that require immediate action.</i>						
	-	45,000	345,000	425,000	-	-
SC:Sunset Mobile Estates Developer Agreement						
<i>Agreement with developer to share in the cost of extending sewer mains under I-95 to serve Sunset Mobile Estates and surrounding areas.</i>						
	120,189	-	-	240,378	-	-
SC:Woodruff Rd Water and Sewer Improvements, Phase 3						
<i>Extension of sewer collection system across and along Woodruff Road on the south side of Goose Branch Creek. Design-Build work to be done by DOT contractor concurrent with the construction of the new Northern Connector.</i>						
	-	171,000	171,000	171,000	-	-
Sewer Automated Meter Reading						
<i>This project will share with the Water Fund the cost of installation of electronic water meters in conjunction with electronic gas and electric meters. Cost are shared with Water Fund: 55% Water Fund / 45% Sewer Fund. Funding request provided in this account reflects that cost share.</i>						
	90,000	80,000	800,000	980,000	-	-
Sewer Lift Station Generators						
<i>Natural gas powered generators are to be installed at the major sewer lift stations. These generators will provide power for pump operation during electrical power failure (hurricanes and ice storms) as required by the City's National Pollution Discharge Elimination System (NPDES) permit thus preventing sewage spills from the pump stations. Generators may also be used for elec. load management. Additional installations will be at Fenner Road and Johnson St. in 07-08 continuing with other sewer lift stations in the future. A portable unit will also be acquired to support the remaining stations as needed. Funds assume installing two generators per year, with only one generator per year in FY 2010-11 and FY 2011-12.</i>						
	55,000	55,000	265,000	375,000	-	-
Sewer Manhole Replacement Program						
<i>This project involves the rehabilitation of deteriorated brick sewer manholes and raising manholes to above the 100 year flood line. The manholes to be replaced are leaking and may be structurally unsound. Through a replacement schedule, these manholes will be repaired or replaced and raised to above the 100-year flood elevation. Other manholes will be lined to reduce deterioration from sewer gasses and to minimize leakage of groundwater through the manhole walls.</i>						
	75,000	-	7-34	75,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Sewer Rehabilitation Program						
<i>This project will continue the Infiltration/Inflow reduction program currently in progress through renovation and repairs to old sewer system to reduce groundwater infiltration and stormwater inflow. These funds are used for purchase of replacement piping, contracting of grouting services, amendments to MH Elevations, and other ongoing rehabilitation projects.</i>						
	85,000	175,000	850,000	935,000	-	-
Shore Drive Outfall						
<i>Construction of sewer outfall line to serve entire Lake Shore Drive area, including Shore Street, Bing Crosby Street, and Mt. Mitchell Street.</i>						
	-	75,000	587,000	587,000	-	-
Smoke Testing						
<i>Project created to fund 2007 Smoke Testing Contract</i>						
	15,000	-	-	15,000	-	-
WWTP Generators, PURPA Additions						
<i>In order for the WWTP generators to meet the requirements of the City's contracts with ElectriCities and the Power Agency, it will be necessary to provide for additional operational purpose. It is proposed to use the waste heat from the generators to warm the plant process water. Warm water is more conducive to a high level of biological activity in the aeration basins.</i>						
	-	-	-	250,000	-	-
WWTP Laboratory Expansion						
<i>This project will fund the expansion of laboratory space and offices needed to accommodate additional technicians, more types of analyses and a much larger pretreatment program. This work was planned as a part of the 1993 expansion, but deleted to reduce project cost. Other foreseeable changes include HVAC improvements and installation of vestibules to reduce heat transfer during the summer and winter.</i>						
	25,000	-	-	1,100,000	-	-
WWTP Mobile High Pressure Washer						
<i>Previously as sewer jets have been replaced they were shunted off to the WWTP for their last years of life. That meant the WWTP usually paid lots of repair costs for a worn out jet truck. It is proposed to convert a surplus truck to the WWTP needs by adding a 1000 gallon water tank and a high pressure pump and hose assembly. Use of an existing truck with new pump and accessories should lower the costs to WWTP by not having to repair a jet-truck already in poor condition.</i>						
	12,000	-	-	12,000	-	-
WWTP Open Air Mixers						
<i>Aeration Trains C & D both have identical open air mixers for which there is no backup equipment. Basically, when the mixer goes down we are out of service until the failed unit has been shipped, repaired, and returned. Funds would obtain a backup unit for these two locations.</i>						
	-	-	90,000	90,000	-	-
WWTP Oxygen Plant Main Air Compressor						
<i>Funds for this project will be provided to purchase, install, and activate a spare air compressor at the Wastewater Treatment Plant oxygen plant.</i>						
<i>The City presently has two compressors. One is a piece of original plant equipment. The other is a rebuilt compressor from the early '90's.</i>						
	-	-	-	200,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
WWTP Oxygen Plant Thermal Swing Dryer						
<i>This project will provide funds for the purchase of a non-mechanical drier for the Waste Water Treatment Plant Oxygen Plant. Existing plant equipment works through 2 heat exchangers with a valve mechanically switching from one to the other as the heat exchanger in use becomes blocked by moisture removed as ice from the feed air. Switching can cause system upsets. The replacement will use 2 towers with molecular sieves to remove the moisture. Regeneration will occur less often and not cause plant pressure swings.</i>						
	-	-	-	900,000	-	-
WWTP Process & Rate Study						
<i>Funds are to be targeted at a comprehensive review of the WWTP system process options as well as a detailed review of the sewer rates both now and with implementation of the process amendment.</i>						
	-	-	90,000	90,000	-	-
WWTP Replace Internal Recycle Pumps						
<i>Internal sludge recycle pumps in the C&D treatment trains were installed in the early 1990's. These four pumps recycle sludge to the head of the treatment system to increase solids content and assist in creating the conditions necessary for Nitrogen removal. They are located inside the sealed treatment tanks and as such are subject to heat, fumes and moisture. Past six month repair costs have been about \$15,000. It is proposed to replace these pumps with sludge pumps installed outside the basins as they are in A&B trains. Exterior installation will make the pumps available for maintenance and remove them from the corrosive conditions.</i>						
	-	-	-	72,000	-	-
WWTP Resealing Aeration Basins						
<i>Project proposes to take one treatment train out of service each summer, clean the accumulated sand and other materials which may have accumulated in the square basin "dead-spots" and re-seal the caulked seams of the basin, assuring them to be air tight. Cleaning accumulated solids will recover detention time and help the basins perform more efficiently. Recaulking the basins will improve oxygen efficiency by eliminating leaks.</i>						
	-	-	265,000	355,000	-	-
WWTP Road Paving						
<i>This project will continue the repaving of roads within the Wastewater Treatment Plant (WWTP). Light duty roads were built in 1980 when plant was constructed. Sub-grade needs work as well as repaving roads surfaces.</i>						
	-	-	165,000	165,000	-	-
WWTP Telemetry						
<i>Project proposes to develop an in-house SCADA system allowing monitoring, control, and of operating equipment and recording control parameters at WWTP. The NC97 lift station would be a part of this network. Observation of operational basins and storage tank levels, start and stopping of pumps, instrumental monitoring of control parameters would be possible with current radio communication and computer equipment. This system would be done on a build it by pieces, much as the Water Plant SCADA has been done.</i>						
	-	-	120,000	120,000	-	-
Total	\$1,398,989	\$5,415,000	\$17,096,000	\$21,657,178		

Stormwater

Annexation Capital Equipment

Provide vehicles and equipment for an additional ditch maintenance crew to cover the annexations areas.

95,000	-	-	95,000	-	-
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2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Annexation Stormwater Inventory						
<i>Update stormwater base mapping to include annexation areas.</i>						
	-	140,000	140,000	140,000	-	-
Basin Master Planning						
<i>Problems within the stormwater system are often inter related and must be considered in the context of the entire system if we are to avoid unintended negative impacts on other parts of the system. The basin master planning project builds on the Stormwater Inventory Project and is a critical part effective project planning and design. The study areas included in this project are drainage basins where known problems are significant, widespread and/or interrelated. The proposed schedule for these projects is based on the number and frequency of principal structures threatened, significant street flooding and the timing of the inventory projects.</i>						
	175,000	-	415,000	590,000	-	-
Battleboro						
<i>Project provides for design and construction of projects recommended in the Master Plan for this drainage area.</i>						
	-	-	350,000	350,000	-	-
Crabapple						
<i>This project provides for implementation of drainage improvements recommended in the Crabapple drainage study.</i>						
	-	-	290,000	290,000	-	-
Eastern Tar/Gay Branch						
<i>Project provides for design and construction of projects recommended in the Master Plan for this drainage area.</i>						
	400,000	500,000	500,000	1,005,000	-	-
Equipment Storage Facility						
<i>The Stormwater Division does not currently have adequate storage facilities for its equipment. This project will provide for the erection of a three sided free standing metal building with a concrete floor 105' x 21' adjacent to the salt bin building. This would allow for the storage of equipment as well as protection from the elements and extended life cycle.</i>						
	-	-	82,000	82,000	-	-
Fill Mitigation Project-Strawbush Drainage						
<i>This project involves drainage realignment.</i>						
	-	30,000	30,000	90,000	-	-
Hillsdale						
<i>Project provides for design and construction of projects recommended in the Master Plan for this drainage area.</i>						
	-	15,000	165,000	165,000	-	-
Little Raleigh/South George Street						
<i>Project provides for design and construction of projects recommended in the Master Plan for this drainage area.</i>						
	-	-	330,000	330,000	-	-
Long Branch						
<i>Project provides for design and construction of projects recommended in Long Branch Master Plan.</i>						
	-	50,000	1,280,000	1,412,000	-	-

2009 - 2013 CIP PROJECT OVERVIEW

Project Category/Title/Description	FY 2008 Expenditures	FY 2009 Capital Budget	2009-2013 CIP Total	Complete Project Total	Total One-Time Operating Impact	Average Recurring Operating Impact
Major Drainage Improvements						
<i>This project programs major structural improvements to the drainage system identified through historical complaint records that are not otherwise programmed through the basin master planning process.</i>						
	150,000	180,000	1,070,000	1,220,000	-	-
Maple Creek Tributary #1 (Kandemor)						
<i>This project provides for design and construction of drainage improvements identified in the Maple Creek, Tributary Number 1. A portion of the project has been accelerated to coincide with reconstruction of Mansfield Drive.</i>						
	-	250,000	450,000	450,000	-	-
Maple Creek Tributary #2 (Easonburg)						
<i>Project provides for design and construction of projects recommended in the Master Plan for this drainage area.</i>						
	-	-	35,000	435,000	-	-
Minor Drainage Improvements						
<i>The purpose of this item is to cover the cost of small stormwater infrastructure projects costing between \$5,000 and \$30,000 as well as to provide reserves for unforeseen emergency repairs.</i>						
	50,000	25,000	200,000	255,000	-	-
Paving Rear Equipment Parking Area						
<i>This funding would pay for the grading, stone and asphalt paving of the rear equipment parking area near the Streets Division. This area is the only remaining unpaved section.</i>						
	-	-	-	35,000	-	-
Springfield Road Box Culvert Upgrade						
<i>Project provides for design and construction of projects recommended in the Master Plan for this drainage area.</i>						
	25,000	-	-	45,000	-	-
Stormwater Equipment Replacement						
<i>The scheduled replacement of Stormwater equipment insures reliability and operations efficiency. Replacement is based on annual review of performance indicators and estimated life cycle of each piece of equipment.</i>						
	140,000	255,000	1,292,000	1,942,000	-	-
Stormwater System Inventory						
<i>As required by the National Pollutant Discharge Elimination System (NPDES) Phase II and Tar-Pamlico River Basin-Nutrient Sensitive Waters Management Strategy Rules (Tar-Pam), this item provides for the system inventory work necessary to identify system needs and priorities. Among other things, the information collected will be used to: help locate pollution sources; locate, plan and design stormwater management facilities; and program system maintenance.</i>						
	-	-	-	849,000	-	-
Stormwater/Streets Office Renovation						
<i>Project provides for design and construction of additional office space to accommodate new supervisors.</i>						
	-	-	-	65,000	-	-
Winders Creek						
<i>Project provides for design and construction of projects recommended in the Master Plan for this drainage area.</i>						
	-	-	20,000	220,000	-	-
Total	\$1,035,000	\$1,445,000	\$6,649,000	\$10,065,000		